

Abstract

A microwell array chip having multiple microwells on a principal surface of a substrate, said microwells being of a shape and size permitting the storage of only a single organic cell in each microwell, wherein microwell markers are present on the same substrate surface as the openings of the microwells. A microwell array chip having multiple microwells on a principal surface of a substrate, said microwells being of a shape and size permitting the storage of only a single organic cell in each microwell, wherein protrusions are present in the openings of said microwells so as to narrow said openings. A method for manufacturing the microwell array chip. The method comprises the steps of: forming a film on at least one principal surface of a substrate; applying a resist coating on the film that has been formed; exposing the resist surface through a mask having a microwell pattern and removing uncured portions of resist; etching the exposed portions of said film and substrate to fabricate wells in the form of a microwell array; and removing the resist. A microwell array chip made of silicon and having multiple microwells, each microwell being used to store a single specimen organic cell, wherein each microwell is of a size and shape holding just one organic cell.